

Serial No. 10/657,356

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application

LISTING OF CLAIMS

Claims 1 (currently amended): A method for manufacturing medical devices comprising:

incorporating into a suitable material including one or more blue light absorption moieties and one or more ultraviolet light absorption moieties, one or more photo initiators having absorption above 500 nm; and

exposing said material to visible light for a ~~relatively short period of time less than about 4 hours.~~

Claim 2 (currently amended): A method for manufacturing medical devices with blue light and ultraviolet light absorption properties comprising:

incorporating into a suitable material including one or more blue light absorption moieties and one or more ultraviolet light absorption moieties, one or more photo initiators having absorption above 500 nm; and

exposing said material to visible light for a ~~relatively short period of time less than about 4 hours.~~

Claim 3 (original): The method of claim 1 or 2 wherein said medical device is selected from the group consisting of contact lenses, keratoprostheses, capsular bag extension rings, corneal inlays and corneal rings.

Claim 4 (original): The method of claim 1 or 2 wherein said medical device is an intraocular lens.

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Claim 5 (original): The method of claim 1 or 2 wherein said blue light absorption moieties are one or more reactive yellow dyes.

Claim 6 (original): The method of claim 1 or 2 wherein said blue light absorption moieties are one or more azo-based yellow dyes.

Claim 7 (original): The method of claim 1 or 2 wherein said suitable material is a material having ethylenically unsaturated groups.

Claim 8 (original): The method of claim 1 or 2 wherein said suitable material is an acrylate or methacrylate material.

Claim 9 (original): The method of claim 1 or 2 wherein said suitable material includes one or more high refractive index monomers.

Claim 10 (original): The method of claim 1 or 2 wherein said suitable material includes one or more high refractive index monomers selected from the group consisting of 2-ethylphenoxy methacrylate, 2-ethylphenoxy acrylate, 2-ethylthiophenyl methacrylate, 2-ethylthiophenyl acrylate, 2-ethylaminophenyl methacrylate, 2-ethylaminophenyl acrylate, phenyl methacrylate, benzyl methacrylate, 2-phenylethyl methacrylate, 3-phenylpropyl methacrylate, 4-phenylbutyl methacrylate, 4-methylphenyl methacrylate, 4-methylbenzyl methacrylate, 2,2-methylphenylethyl methacrylate, 2,3-methylphenylethyl methacrylate, 2,4-methylphenylethyl methacrylate, 2-(4-propylphenyl)ethyl methacrylate, 2-(4-methylethyl)phenyl)ethyl methacrylate, 2-(4-methoxyphenyl)ethyl methacrylate, 2-(4-cyclohexylphenyl)ethyl methacrylate, 2-(2-chlorophenyl)ethyl methacrylate, 2-(3-chlorophenyl)ethyl methacrylate, 2-(4-chlorophenyl)ethyl methacrylate, 2-(4-bromophenyl)ethyl methacrylate, 2-(3-phenylphenyl)ethyl methacrylate, 2-(4-phenylphenyl)ethyl methacrylate and 2-(4-benzylphenyl)ethyl methacrylate.

Claim 11 (original): The method of claim 1 or 2 wherein said suitable material includes one or more high refractive index prepolymers selected from the

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group consisting of methacrylate-capped prepolymers of polysiloxanes and acrylate-capped prepolymers of polysiloxanes having a suitable number of aromatic moieties to provide a prepolymer with a refractive index of at least 1.42.

Claim 12 (original): The method of claim 1 or 2 wherein said ultraviolet light absorption moieties are one or more benzotriazole compositions.

Claim 13 (original): The method of claim 1 or 2 wherein said ultraviolet light absorption moieties are one or more benzotriazole compositions selected from the group consisting of β -(4-benzotriazoyl-3-hydroxyphenoxy) ethyl acrylate, 4-(2-acryloxyethoxy)-2-hydroxybenzophenone, 4-methacryloxy-2-hydroxybenzophenone, 2-(2'-methacryloxy-5'-methylphenyl)benzotriazole, 2-(2'-hydroxy-5'-methacryoxyethylphenyl)-2H-benzotriazole, 2-[3'-tert-butyl-2'-hydroxy-5'-(3"-methacryloyloxypropyl)phenyl]-5-chlorobenzotriazole, 2-[3'-tert-butyl-5'-(3"-dimethylvinylsilylpropoxy)-2'-hydroxyphenyl]-5-methoxybenzotriazole and 2-[3'-tert-butyl-2'-hydroxy-5'-(3"-methacryloyloxypropoxy)phenyl]-5-chlorobenzotriazole.

Claim 14 (original): The method of claim 1 or 2 wherein said photo initiators are selected from the group consisting of substituted ultraviolet photo initiators, conjugated ketones, triazine-yl derivatives and metal salts.

Claim 15 (original): The method of claim 1 or 2 wherein said photo initiators are selected from the group consisting of titanocene derivatives.

Claim 16 (original): The method of claim 1 or 2 wherein said visible light is provided by a visible light source.

Claim 17 (original): The method of claim 1 or 2 wherein said visible light is provided by a xenon lamp.

Claim 18 (canceled)

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Claim 19 (currently amended): The method of claim 1 or 2, wherein said ~~short period of time step of exposing is carried out for~~ is about 2 hours or less.

Claim 20 (withdrawn): A method of using the medical device produced through the method of claim 1 or 2 comprising:

implanting said medical device in an eye.

Claim 21 (withdrawn): A medical device produced through the method of claim 1 or 2.

Claim 22 (withdrawn): An intraocular lens produced through the method of claim 1 or 2.